

REMARKS

The application has been reviewed in light of the Office Action dated February 8, 2005. Claims 1-25 are pending, with claims 1, 18 and 22 being in independent form. By this Amendment, independent claims 1, 18 and 22 have been amended to clarify the claimed invention without narrowing the scope of the claims.

Claims 1-18, 20, 22 and 24 were rejected under 35 U.S.C. §101. Claims 1-25 were rejected under 35 U.S.C. §112, first paragraph.

By this Amendment, independent claims 1, 18 and 22 have been amended to clarify the claimed invention without narrowing the scope of the claims.

Applicants maintain that one skilled in the art would have understood the claims as originally filed to be directed at a data mining system wherein a consultation request (for consulting a Neugent) is transmitted through a computer network from a client to a service broker, as evident from, for example, the recitation that the service broker is “configured to include an interface to receive a consultation request from the client”, as recited in claim 1.

In any event, independent claims 1, 18 and 22 have been amended to clarify that the consultation request (claims 1 and 18) or train request (claim 22) is received from the client through a computer network. Moreover, it should be clear that the claimed invention is directed to a novel and unobvious adaptation of computer technology (see, for example, Figs. 4A through 10F for enabling disclosure).

Withdrawal of the rejection under 35 U.S.C. §101 and the rejection under 35 U.S.C. §112 are requested.

Claims 1-3, 6, 8-15 and 17-25 were rejected under 35 U.S.C. §102(e) as purportedly anticipated by U.S. Patent No. 6,697,791 to Hellerstein et al.

Applicants have carefully considered the Examiner's comments and the cited art, and respectfully submits that claims 1, 18 and 22 are patentable over the cited art, for at least the following reasons.

This application relates to data mining wherein a client application is provided with the data mining service without the client maintaining a native predictive model which in a data mining context can overwhelm the client machine in terms of storage and computing power.

Applicants devised an improved data mining system wherein the predictive model is maintained on the service broker side, and only a result object is passed back to the client from the broker side. Thus, the client machine can accommodate operation of the data mining client as well as other applications.

For example, claim 1 is directed to a data mining system comprising a client and a service broker configured to include an interface to receive a consultation request from the client through a computer network, wherein the service broker forwards the consultation request to a Neugent to invoke a consultation of the Neugent, and forwards to the client through the computer network a result object returned by the Neugent.

Claim 22 is directed to a method for providing to a remote client machine a service to train a Neugent, comprising receiving a train request from the remote client machine through a computer network, forwarding the train request to the Neugent to invoke training of the Neugent, and forwarding to the remote client machine through the computer network a training result object returned by the Neugent.

Hellerstein is directed to systematic construction of correlation rules for event management in a network-based system. More specifically, the correlation rules are used for use in detecting and resolving availability and performance problems in the system.

Hellerstein discloses (as background) at column 1, line 60 through column 2, line 27 some exemplary problems that may be encountered in a complex computing environment, such as component failure (for example, a server) in a load balancing system.

As additional background discussion, Hellerstein discloses at column 2, lines 42-52 use of one type of Neugents for event correlation.

However, it should be noted that the discussion of Neugents in Hellerstein does not disclose or suggest a data mining system wherein the predictive model is maintained on the service broker side. More specifically, Hellerstein does not disclose or suggest a data mining system wherein a service broker configured to include an interface to receive a consultation request from a client through a computer network, forwards the consultation request to a Neugent to invoke a consultation of the Neugent, and forwards to the client through the computer network a result object returned by the Neugent, as provided by the claimed invention recited in amended claim 1. The Neugents technology to which the discussion in Hellerstein is directed maintained the predictive model at the client side.

Independent claim 18 is patentably distinct from the cited art for at least similar reasons.

Similarly, the cited art does not disclose or suggest a method for providing to a remote client machine a service to train a Neugent, comprising receiving a train request from the remote client machine through a computer network, forwarding the train request to the Neugent to invoke training of the Neugent, and forwarding to the remote client machine through the computer network a training result object returned by the Neugent, as provided by the claimed invention recited in amended claim 22.

Accordingly, for at least the above-stated reasons, Applicants respectfully submit that independent claims 1, 18 and 22, and the claims depending therefrom, are patentable over the

cited art.

If a petition for an extension of time is required to make this response timely, this paper should be considered to be such a petition. The Office is hereby authorized to charge any fees that may be required in connection with this amendment and to credit any overpayment to our Deposit Account No. 03-3125.

If a telephone interview could advance the prosecution of this application, the Examiner is respectfully requested to call the undersigned attorney.

Allowance of this application is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Paul Teng", is written over a horizontal line.

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